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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/774,680	02/09/2004	Do-Kyung Kim	8021-200 (SS-18706-US)	8021-200 (SS-18706-US) 5110	
22150 75	22150 7590 07/14/2005 EXAM		INER		
F. CHAU & ASSOCIATES, LLC			LAM, TUAN THIEU		
130 WOODBURY ROAD WOODBURY, NY 11797			ART UNIT	PAPER NUMBER	
•	,		2816		
			DATE MAILED: 07/14/2005		

Please find below and/or attached an Office communication concerning this application or proceeding.

		A 20 27 3			
·	Application No.	Applicant(s)			
Office Action Summer.	10/774,680	KIM ET AL.			
Office Action Summary	Examiner	Art Unit			
The MAN INC DATE of the control of	Tuan T. Lam	2816			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).					
Status					
1) Responsive to communication(s) filed on 02 Ju	ne 2005.				
3) Since this application is in condition for allowan	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is				
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims					
<ul> <li>4)  Claim(s) 1-18 is/are pending in the application.</li> <li>4a) Of the above claim(s) 13-16 is/are withdraw</li> <li>5)  Claim(s) is/are allowed.</li> <li>6)  Claim(s) 1-3 and 6-8 is/are rejected.</li> <li>7)  Claim(s) 4,5 and 9-12 is/are objected to.</li> <li>8)  Claim(s) are subject to restriction and/or</li> </ul>					
Application Papers					
9) The specification is objected to by the Examiner 10) The drawing(s) filed on <u>09 February 2004</u> is/are Applicant may not request that any objection to the of Replacement drawing sheet(s) including the correction of the oath or declaration is objected to by the Examiner	: a)⊠ accepted or b)⊡ objected frawing(s) be held in abeyance. See on is required if the drawing(s) is obje	37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
<ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No.</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> </ul>					
Attachment(s)					
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)					
<ul> <li>2) Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)</li> <li>Paper No(s)/Mail Date 1/21/2005.</li> </ul>	Paper No(s)/Mail Dal 5)  Notice of Informal Pa 6)  Other:				

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#### **DETAILED ACTION**

This is a response to the amendment filed 6/2/2005. Applicant has elected claims 1-12 for further examination. Claims 13-18 have been withdrawn.

Applicant argues that the invention of groups I, II and III does not present an undue burden is not persuasive. As noted in the previous Office, the search for the invention of group I is not required for the invention of groups II and III. Clearly, there are more than one invention present in the application. The restriction is proper and is maintained.

### Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 1-3 and 6-8 are rejected under 35 U.S.C. 102(b) as being anticipated by Stern et al. (USP 5,150,386).

Figure 2B of shows a pulse generator comprising a plurality of unit cells (118, 126; 120, 128; 122, 130; 124, 132), wherein an nth unit cell (122, 130) generates a pulse (C3) in response to a divided by N clock signal (divided by 4 clock 32), a signal output from (n-1)th unit cell (Q output of 128), and a signal output from (n+1)th unit cell (Q output of 132) as called for in claim 1.

Regarding claims 2 and 6-7, the output signal pulse (C1-C4) having the same pulse width as the divided by 4 clock 32.

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Regarding claims 3 and 8, the phase of output pulse C2 and C4 are changed with a time difference (phase shifted).

## Allowable Subject Matter

3. Claims 4-5 and 9-12 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

#### Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. In this regard, applicant's cited prior art has been carefully considered.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan T. Lam whose telephone number is 571-272-1744. The examiner can normally be reached on Monday to Friday (7:30 am to 6:00pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, TIMOTHY P. CALLAHAN can be reached on 571-272-1740. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Tuan T. Lam
Primary Examiner

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